

Title (en)

PARALLEL APPROXIMATION OF DISTANCE MAPS

Title (de)

PARALLELAPPROXIMATION VON DISTANZKARTEN

Title (fr)

APPROXIMATION PARALLÈLE DE CARTES DE DISTANCES

Publication

EP 2118851 A2 20091118 (EN)

Application

EP 08710195 A 20080214

Priority

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- US 88983207 P 20070214

Abstract (en)

[origin: WO2008099400A2] Method for parallel approximation of distance maps on a discrete representation of a manifold, the method comprising: for at least one Euclidean grid applied on the discrete representation of a manifold, iterating over rows of the Euclidean grid in a first direction, and for each row currently visited during the iterating in the first direction, calculating a distance value for each single cell of the currently visited row in parallel, wherein the calculating is carried out according to a predefined approximation rule, using a distance value calculated for each one of respective cells of a row visited immediately before the currently visited row, wherein the cells of the row visited before the currently visited row are adjacent to the single cell in the Euclidean grid.

IPC 8 full level

G06T 7/60 (2006.01)

CPC (source: EP US)

G06F 18/22 (2023.01 - EP US); **G06T 1/20** (2013.01 - EP US); **G06T 5/30** (2013.01 - EP US); **G06T 7/60** (2013.01 - US); **G06T 15/00** (2013.01 - US); **G06T 15/08** (2013.01 - US); **G06V 10/761** (2022.01 - EP US); **G06T 2207/20041** (2013.01 - EP US)

Citation (search report)

See references of WO 2008099400A2

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DOCDB simple family (publication)

WO 2008099400 A2 20080821; **WO 2008099400 A3 20090430**; EP 2118851 A2 20091118; US 2010119120 A1 20100513; US 2014139514 A1 20140522; US 2015262321 A1 20150917; US 8373716 B2 20130212; US 8982142 B2 20150317; US 9489708 B2 20161108

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